

Safety Data Sheet

Version: 3.0
Date / Revised: 30.11.2015

AMDRO® GRANULAR ANT BAIT

Date of Print: 30.11.2015

1. Substance/preparation and company identification

AMDRO® GRANULAR ANT BAIT

Use: Ready to use bait for the control of Singapore ant, coastal brown ant, tropical fire or ginger ant, red imported fire ant and greenhead ant only.

Manufacturer / supplier:

BASF Australia Limited (ABN 62 008 437 867)
Level 12, 28 Freshwater Place
Southbank VIC 3006
AUSTRALIA
Telephone: +61-3-8855 6600
Telefax: +61-3-8855 6511

Emergency information (24 h):

Within Australia: 1800 803 440
Outside Australia: +61 3 8855 6666

2. Hazards Identification

HAZARDOUS SUBSTANCE – NON-DANGEROUS GOODS. (Pack sizes up to 500 kg/L)

HAZARDOUS SUBSTANCE – DANGEROUS GOODS. (Pack sizes > 500 kg/L)

The product is classified as a hazardous chemical in accordance with GHS criteria.

May impair fertility.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Keep locked up and out of reach of children.

Keep away from food, drink and animal feeding stuffs.

When using do not eat, drink or smoke.

Do not empty into drains, this material and its container must be disposed of in a safe way.

Wear suitable protective clothing and gloves.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Avoid exposure - obtain special instructions before use.

Use appropriate container to avoid environmental contamination.

GHS CLASSIFICATION

DANGER

Reproductive toxicity – Category 1B (fertility)

Hazardous to the aquatic environment – Acute Category 2

Hazardous to the aquatic environment – Chronic Category 1



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Hazard statements

May damage fertility.
Toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

Precautionary statements (Prevention)

Obtain special instructions before use.
Use personal protective equipment as required.

Precautionary statements (Response)

IF exposed or concerned: Get medical advice / attention.
Collect spillage.

Precautionary statements (Disposal)

Dispose of contents/container to hazardous or special waste collection point.

3. Composition/Information on Ingredients

Chemical nature

Insecticide (ant) bait

Hazardous ingredients

Hydramethylnon

Content (W/W): 0.73 %
CAS Number: 67485-29-4
Acute Toxicity (inhalation, dust) – Category 4
Acute Toxicity (oral) – Category 4
Eye Damage / Irritation – Category 2A
Reproductive (fertility) – Category 1B
STOT (repeated exposure) – Category 1
Aquatic Acute – Category 1
Aquatic Chronic – Category 1

4. First-Aid Measures

General advice

First aid personnel should pay attention to their own safety. If poisoning occurs, contact a doctor or Poisons Information Centre. Phone 13 11 26. Avoid contact with the skin, eyes and clothing. Immediately remove contaminated clothing.

If inhaled

Keep patient calm, remove to fresh air. Seek medical attention.

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On skin contact

Immediately wash thoroughly with soap and water. Seek medical attention.

On contact with eyes

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion

Rinse mouth immediately and then drink plenty of water. Seek medical attention.

Note to physician

Symptoms: No significant reaction of the human body to the product known.

Treatment: Symptomatic treatment (decontamination, vital functions). No known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media

Dry powder, foam or water spray. Do not use water jets or carbon dioxide.

Specific hazards

The following substances can be released in a fire: carbon monoxide, carbon dioxide, hydrogen fluoride and nitrogen oxides.

Special protective equipment

Wear self-contained breathing apparatus and chemical protective clothing.

Further information

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately and do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Avoid dust formation.

Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning-up or taking-up

Contain and sweep up spills with dust binding material. The product may be attractive to animals. If product is spilt, collect or spread granules to discourage eating. Avoid raising dust. Collect waste in suitable containers, which can be labelled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Dispose of absorbed material in accordance with regulations.

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7. Handling and Storage

Handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using, do not eat, drink or smoke. Avoid contact with eyes. Hands and/or face should be washed before breaks and at the end of the shift. Remove contaminated clothing and protective equipment before entering eating areas. Do not use in areas accessible to children.

Protection against fire and explosion

Avoid dust formation. Dust can form an explosive mixture with air. Prevent electrostatic charge. Sources of ignition should be kept well clear. Fire extinguishers should be kept handy.

Storage

Store in a cool, dark, secure place away from children, animals, food and fodder. Keep container tightly closed after use. The product is an oil bait and prolonged exposure to air will turn the oil rancid and may reduce attractiveness. Protect against moisture. Keep away from heat. Protect from direct sunlight. Keep container dry. Protect from temperatures above 40°C.

8. Exposure Controls and Personal Protection

Exposure limit values

No workplace exposure standard is applicable for this product.

Respiratory protection

Not required.

Hand protection

If dispensing by hand, wear rubber gloves.

Eye protection

Not required.

Body protection

Not required.

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing (e.g. cotton overalls) is recommended. Store work clothing separately. Keep away from food, drink and animal fodder. Wash hands after use. After each day's use wash gloves and contaminated clothing.

9. Physical and Chemical Properties

Form:	powder
Colour:	tan
Odour:	mild (vegetable oils)
pH value:	approx. 6 - 8 (20°C)
Boiling point:	not applicable
Melting range:	> 170°C (decomposition)
Flash point:	not applicable as the product is a solid
Lower explosion limit:	not available

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Upper explosion limit:	not available
Explosion hazard:	not explosive
Self ignition:	approx. 404°C (based on main components)
Vapour pressure:	not applicable
Bulk density:	approx. 240 – 384 kg/m ³
Solubility in water:	dispersible
Solubility:	not available for other media
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Viscosity	not applicable as the product is a solid
Evaporation rate:	not applicable

10. Stability and Reactivity

Conditions to avoid

Protect against moisture. Keep away from heat. Protect from direct sunlight.

Thermal decomposition

No decomposition if stored and handled as per the directions on the label.

Materials to avoid

Strong acids, strong bases and strong oxidizing agents.

Hazardous reactions

No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products

No hazardous decomposition product when stored and handled according to instructions.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Virtually non-toxic by inhalation. Virtually non-toxic after a single skin contact. Virtually non-toxic after a single ingestion.

Experimental/calculated data:

LD50 rat (oral): > 5000 mg/kg

LD50 rat (dermal): > 5000 mg/kg

LC50 rat (by inhalation) > 5 mg/l/4 h

Irritation

Assessment of irritating effects:

Not irritating to the skin. Not irritating to the eyes.

Sensitization

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential.

Germ cell mutagenicity

Assessment of mutagenicity:

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Mutagenicity tests revealed no genotoxic potential. The product has not been tested. The statement has been derived from the properties of the individual components.

Carcinogenicity

Assessment of carcinogenicity

The results of various animal studies gave no indication of a carcinogenic effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Reproductive toxicity

Assessment of reproduction toxicity:

The active ingredient in this product causes impairment in animal studies. The product has not been tested. The statement has been derived from the properties of the individual components.

Developmental toxicity

Assessment of teratogenicity:

Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals. The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity and Specific Target Organ Toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Repeated oral exposure to small quantities of the active may affect certain organs. The product has not been tested. The statement has been derived from the properties of the individual components.

Other relevant toxicity information

Misuse can be harmful to health. Avoid contact with the skin, eyes and clothing. Do not inhale dust.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on Hydramethylnon:

Toxicity to fish:

LC50 (96 h): 0.09 mg/l, *Ictalurus punctatus*

Toxicity to aquatic invertebrates:

EC50 (96 h): 0.0544 mg/l, *Americamysis bahia*

No Observed Effect Concentration (NOEC): > 0.000088 mg/l/21 d, *Daphnia magna*

Toxicity to aquatic plants:

EC50 (72 h): 0.01112 mg/l, *Pseudokirchneriella subcapitata*

Mobility

Assessment transport between environmental compartments:

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of the groundwater is not expected. The product has not been tested. The statement has been derived from the properties of the individual components.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The product has not been tested.

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Bioaccumulation potential

Assessment biodegradation and elimination (H₂O):
Accumulation in organisms is not to be expected. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on Hydramethylnon:

Bioconcentration factor: 95, *Gambusia affinis*

Additional information

Other ecotoxicological advice:
Do not discharge product into the environment without control.

13. Disposal Considerations

Waste disposal of substance

Dispose of in accordance with relevant local, state or territory government regulations. Do not incinerate product. The product is highly toxic to fish and aquatic invertebrates. DO NOT apply directly to water. DO NOT contaminate ponds, waterways or drains with product or used containers.

Contaminated packaging

Break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product. The

14. Transport Information

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Domestic transport (ADG)

Hazard Class: 9
ID Number: UN 3077
Packing Group: III
Hazard Label: 9, EHSM
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains HYDRAMETHYLNON)
Hazchem Code: 2Z

Sea transport (IMDG)

Hazard Class: 9
ID Number: UN 3077
Packing Group: III
Hazard Label: 9, EHSM
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains HYDRAMETHYLNON)
Marine Pollutant: YES

Air transport (ICAO/IATA)

Hazard Class: 9
ID Number: UN 3077
Packing Group: III
Hazard Label: 9, EHSM
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains HYDRAMETHYLNON)

Further information

Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to the Australian Dangerous Goods Code when transported by road or rail in packages not exceeding 500 kg (L) or IBCs.

15. Regulatory Information

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP)

Poisons Schedule: Schedule 6

Registration status

APVMA Approval Number 47194

16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.



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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.